09723956 "120702

Commerce General Architecture

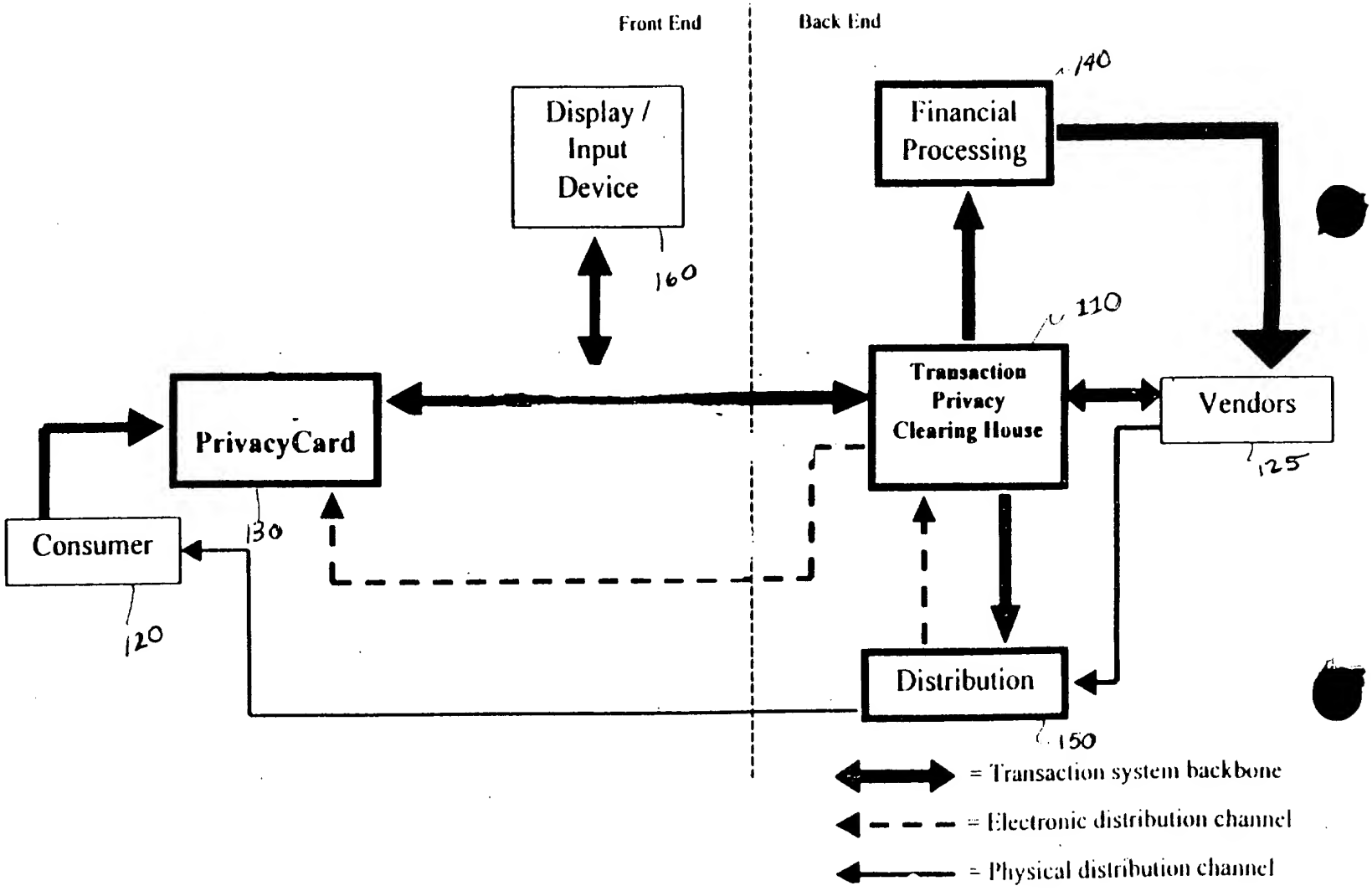


Fig 1

00702T "9T5EE760

Commerce General Architecture - POS Terminal:

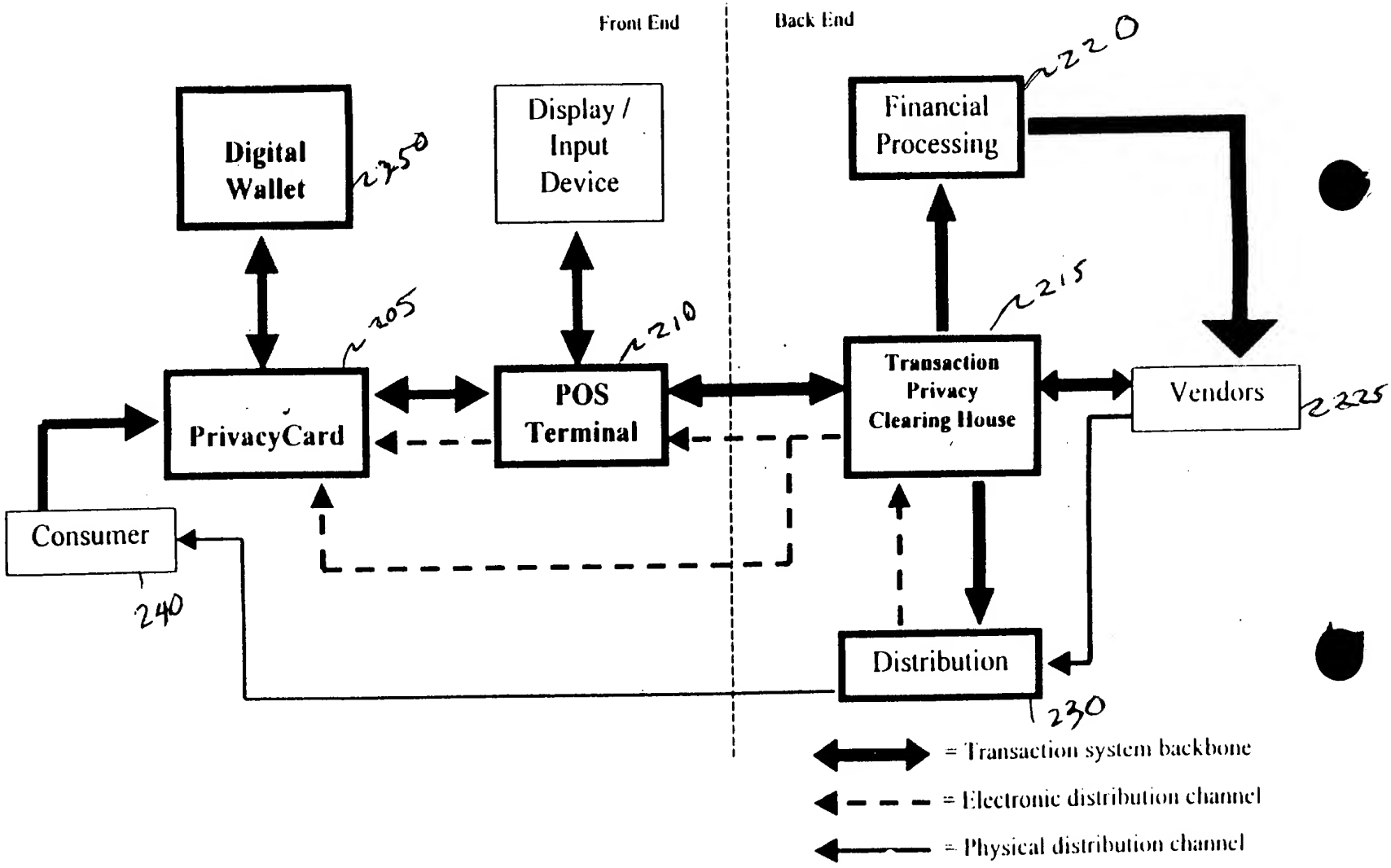


Fig 2

09723516 "120700

Commerce
In-Home Environment

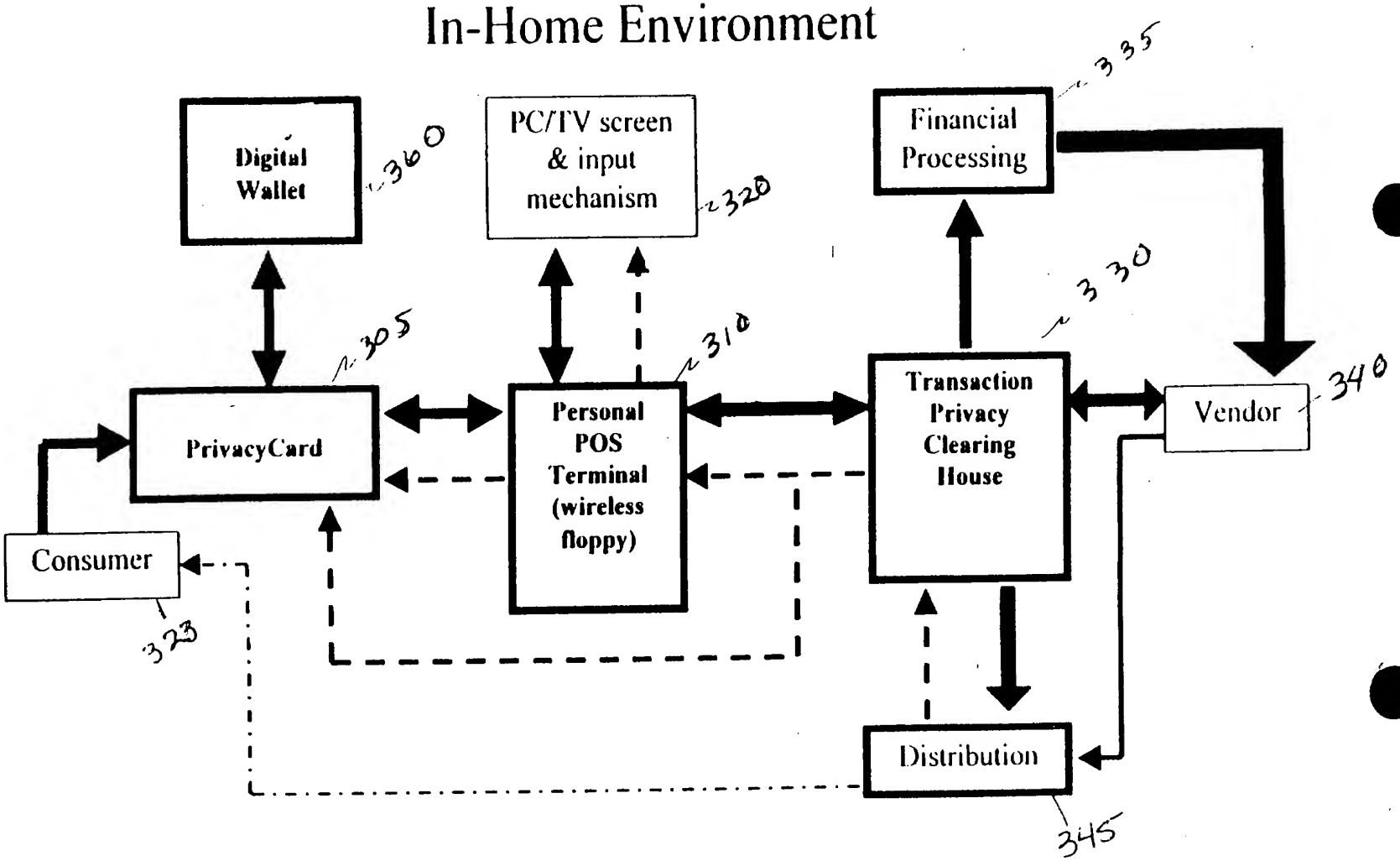


Fig 3

09733516 .120700

In-Store Retail Environment

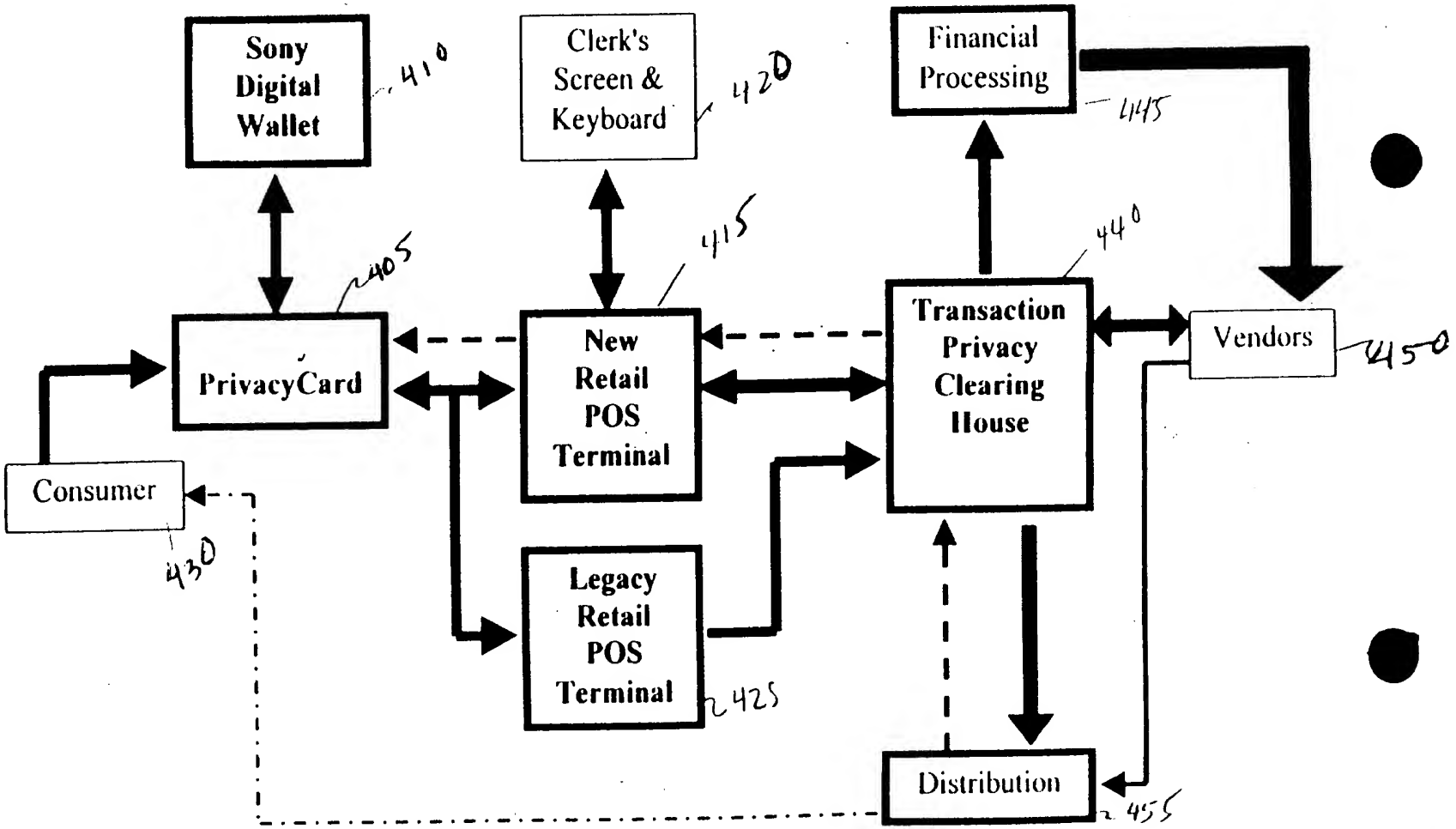


Fig 4

09/027,962 - 9/15/98 - 2:50 PM

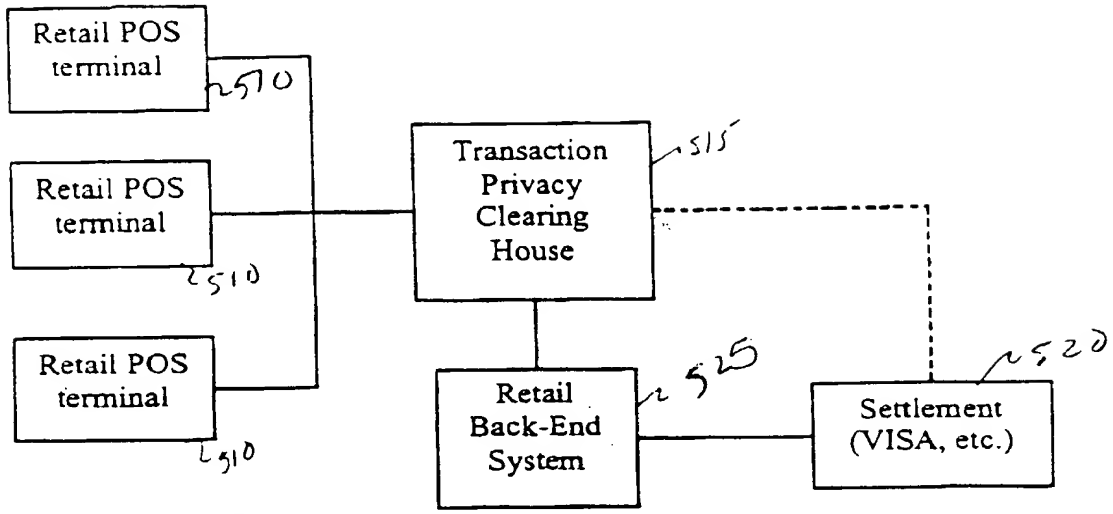


Diagram 5a: A retail system modified to support the interaction of legacy POS terminals with the Digital Wallet system

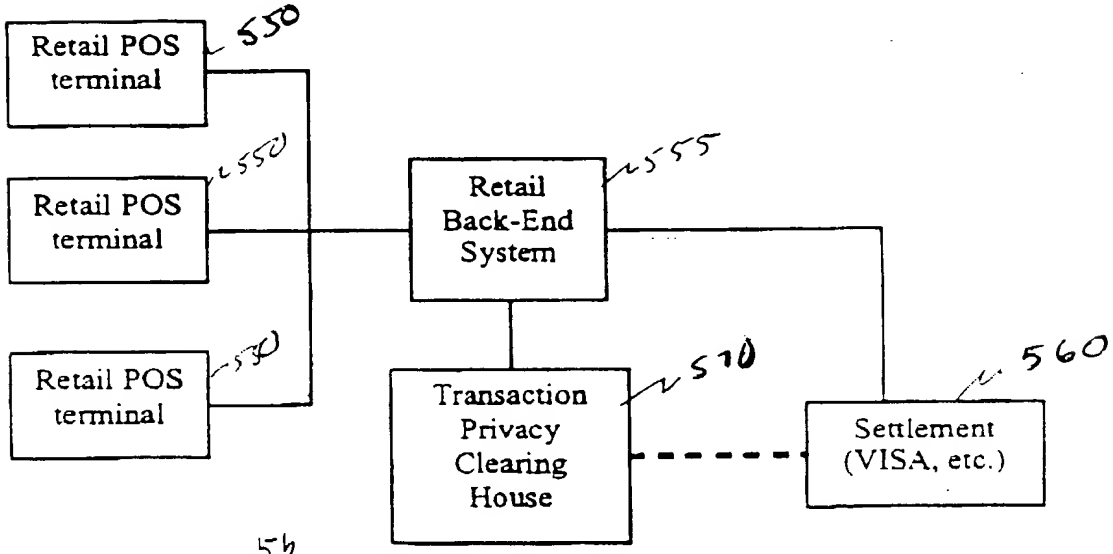
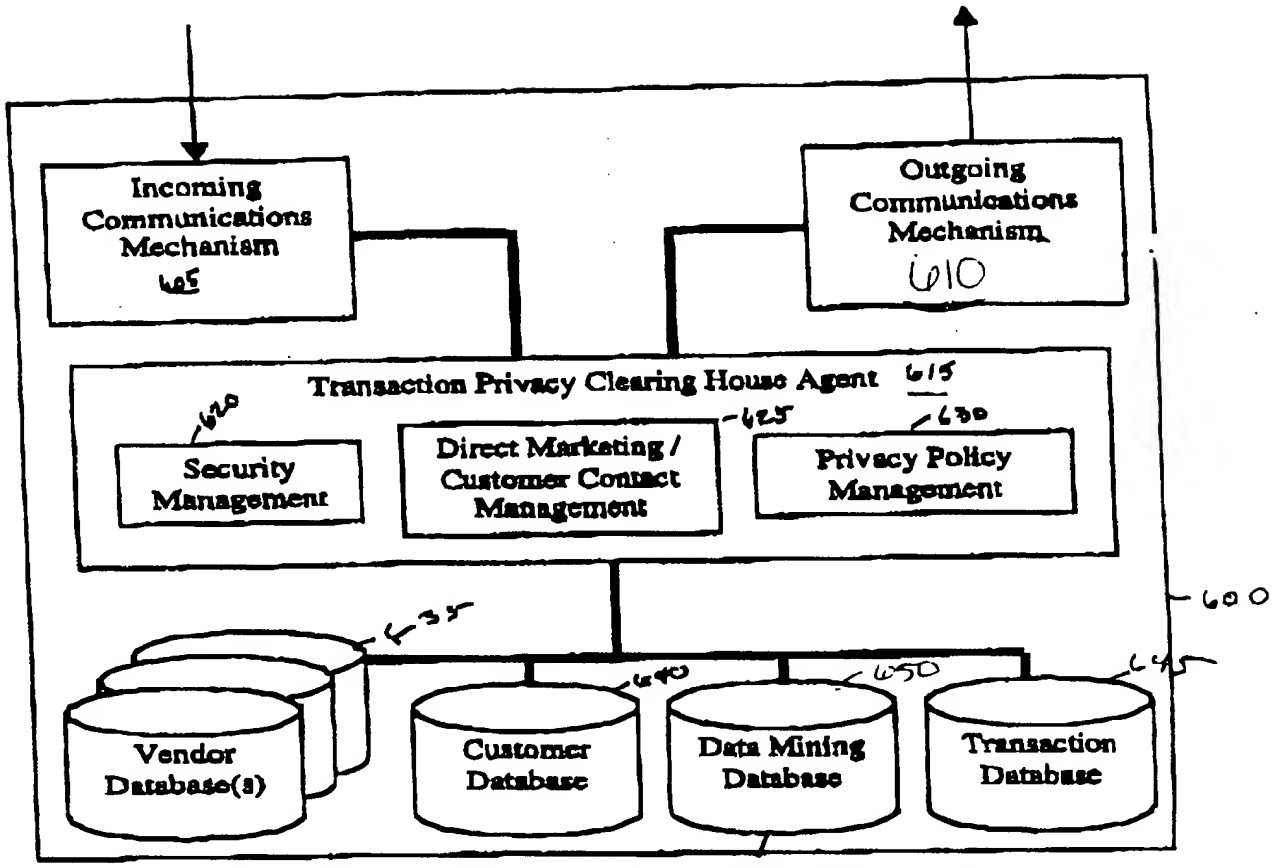


Diagram 5b: An alternative embodiment of the retail system modified to support the interaction of legacy POS terminals with the Digital Wallet system



Transaction Privacy Clearing House: Major Components

Fig. 6

09/902,976 - 07/23/2001

09/02/2004, 15:25:26

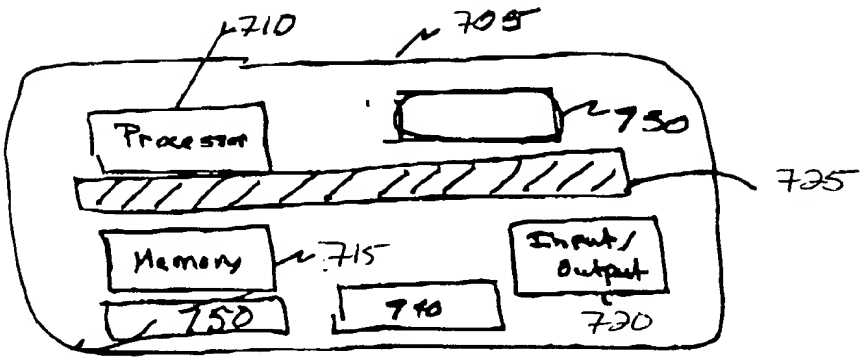


Figure 7a

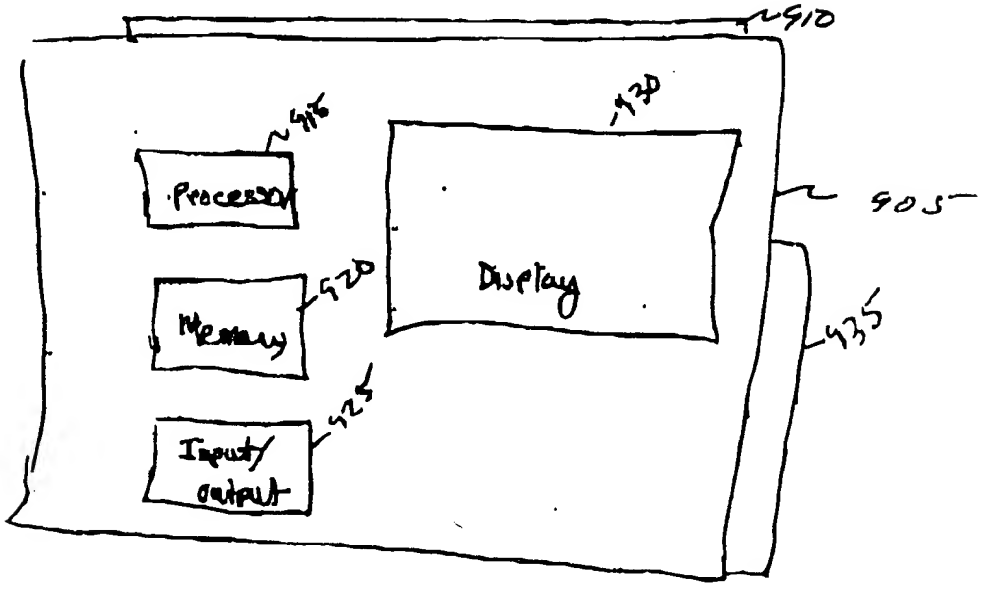


Figure 9a

9a

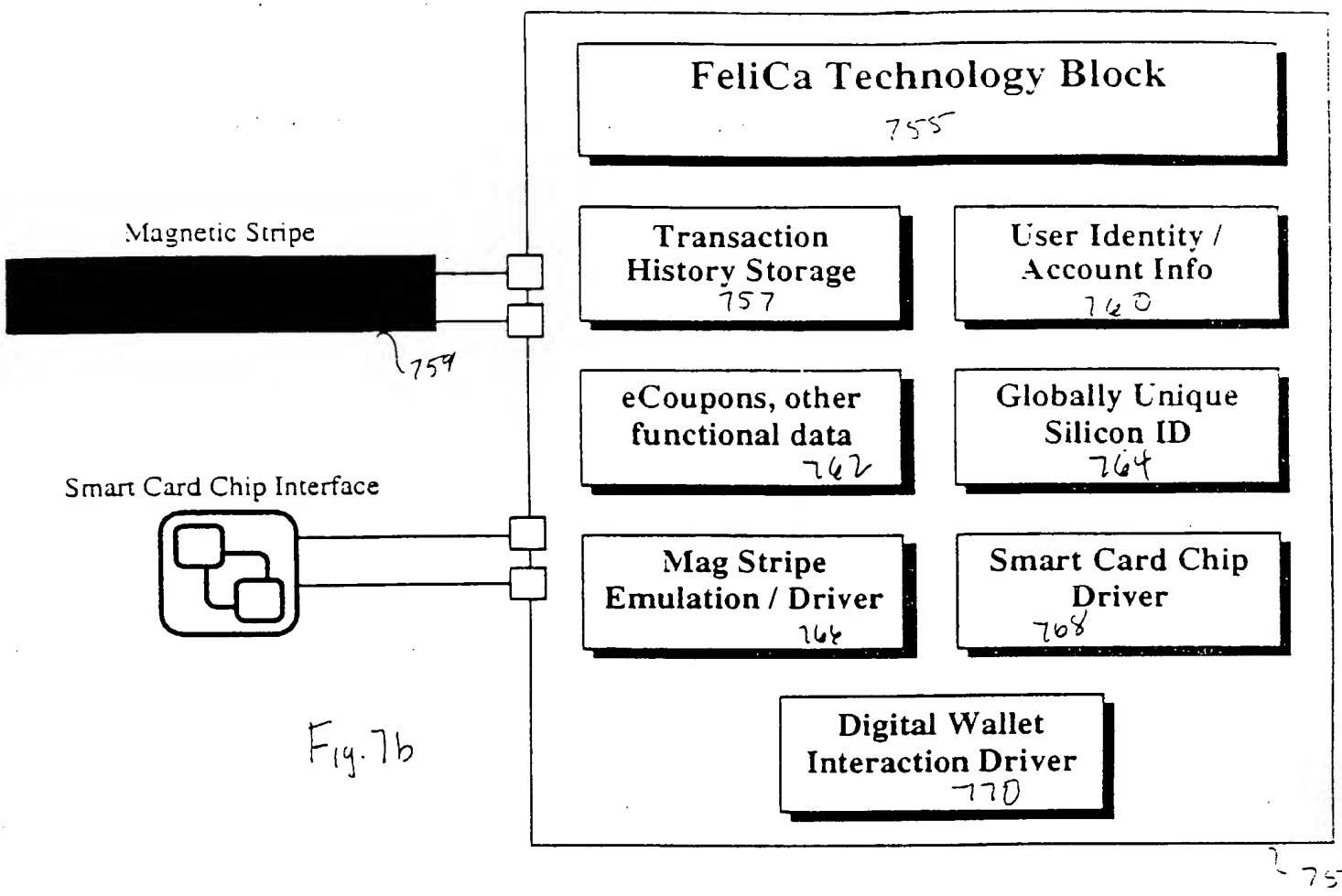

FeliCa Technology Block
755
Magnetic Stripe
759
Transaction History Storage
757
User Identity / Account Info
760
eCoupons, other functional data
762
Globally Unique Silicon ID
764
Smart Card Chip Interface
Mag Stripe Emulation / Driver
766
Smart Card Chip Driver
768
Digital Wallet Interaction Driver
770
753

Fig. 7b

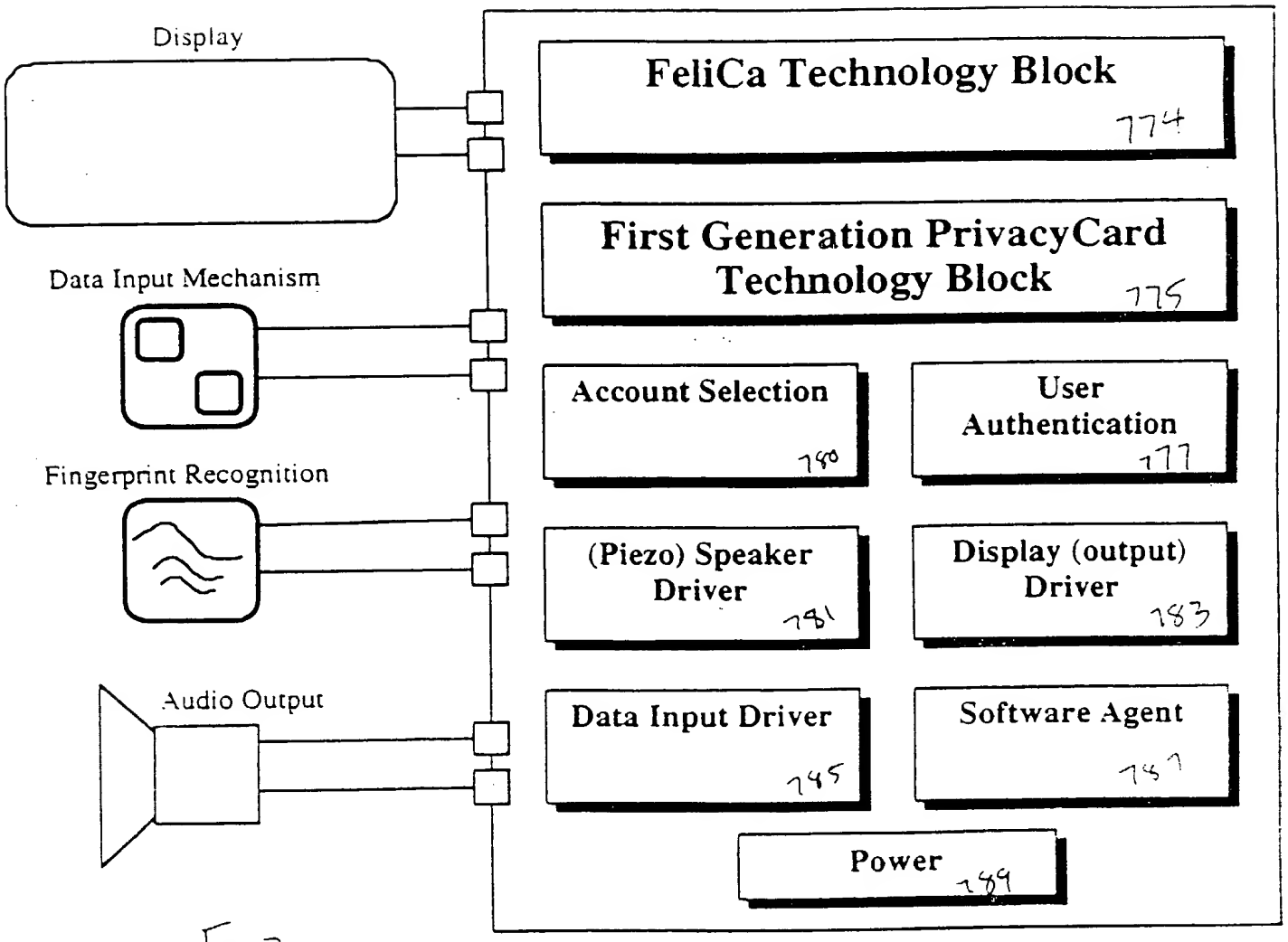


Fig. 7C

09/09/2005 15:35:26.0

09/927,956

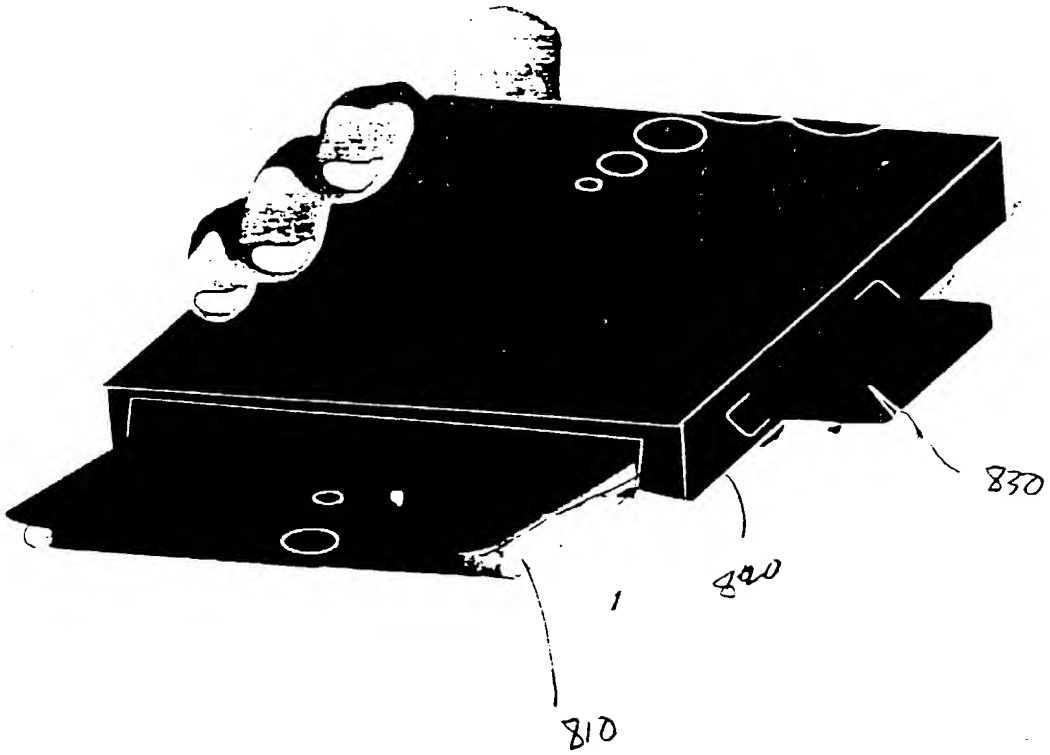


Fig 8

Digital Wallet and Privacy Card

09702737 "9156260

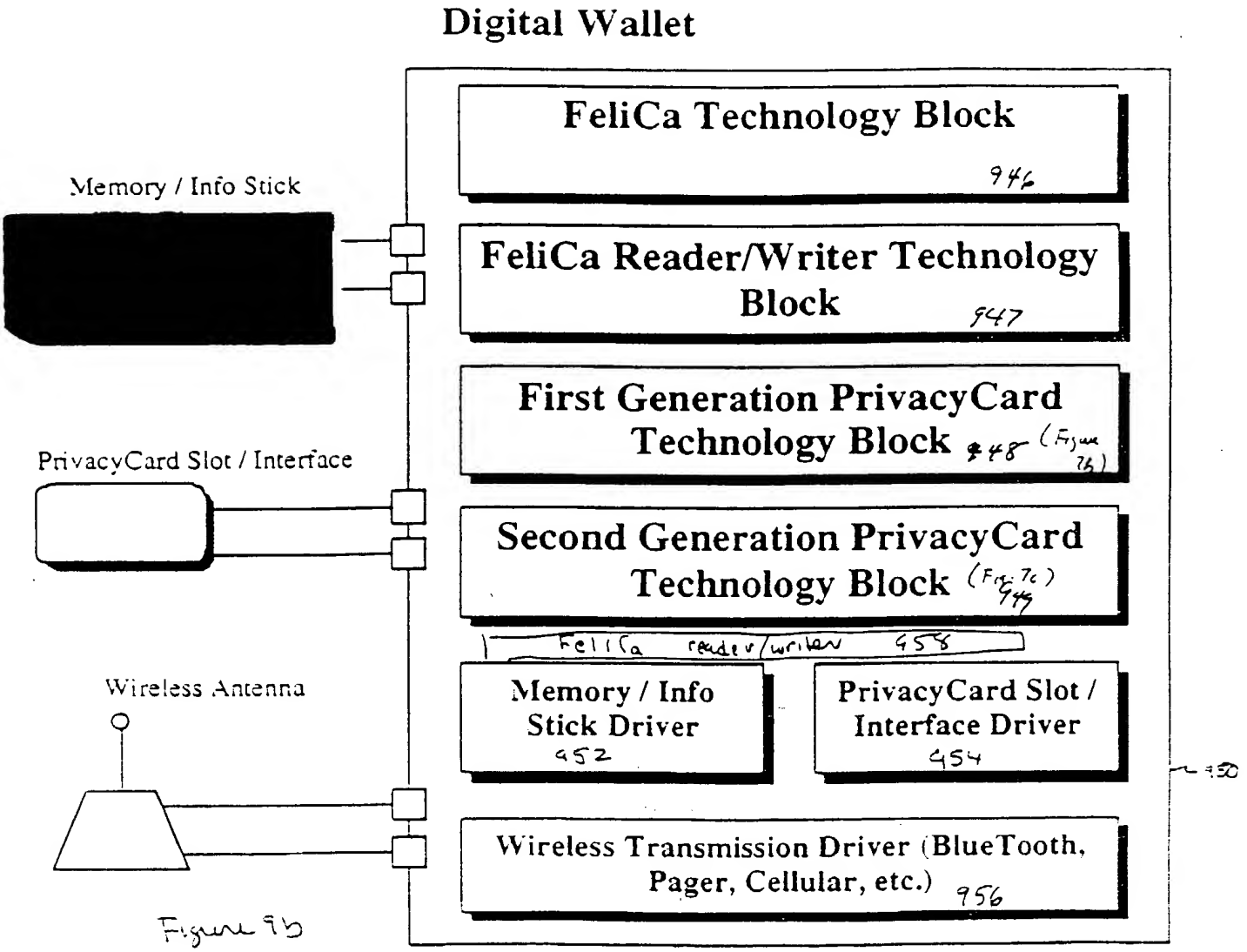


Figure 9b

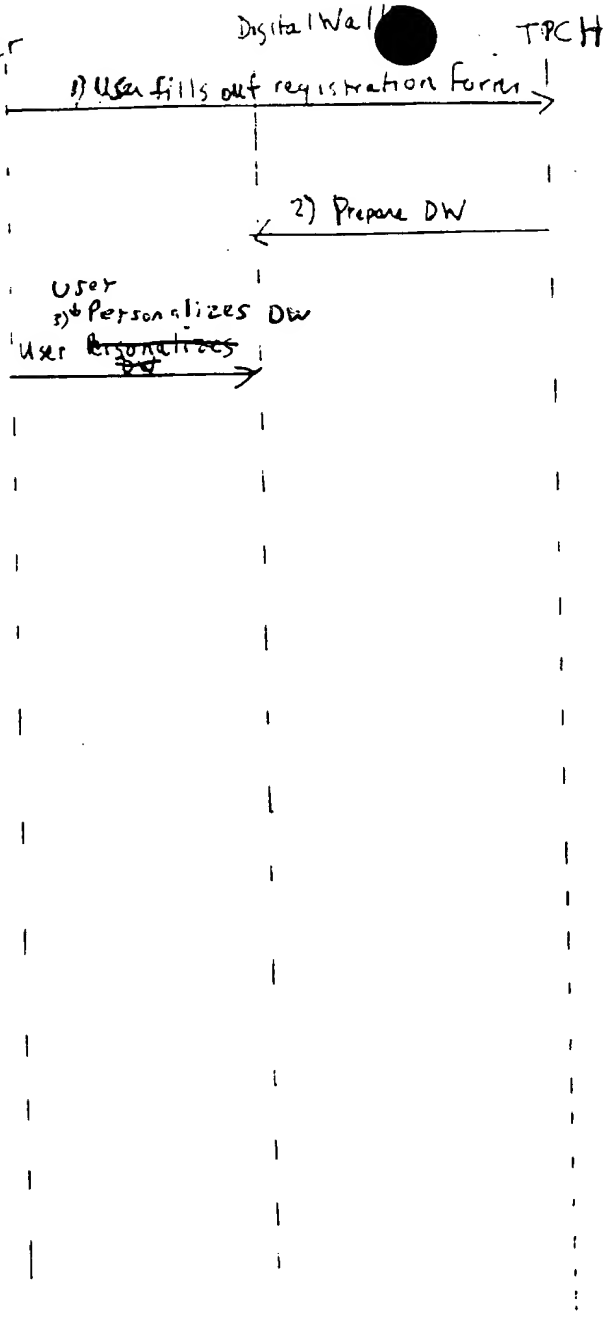


Fig. 10

Setup of Digital Wallet

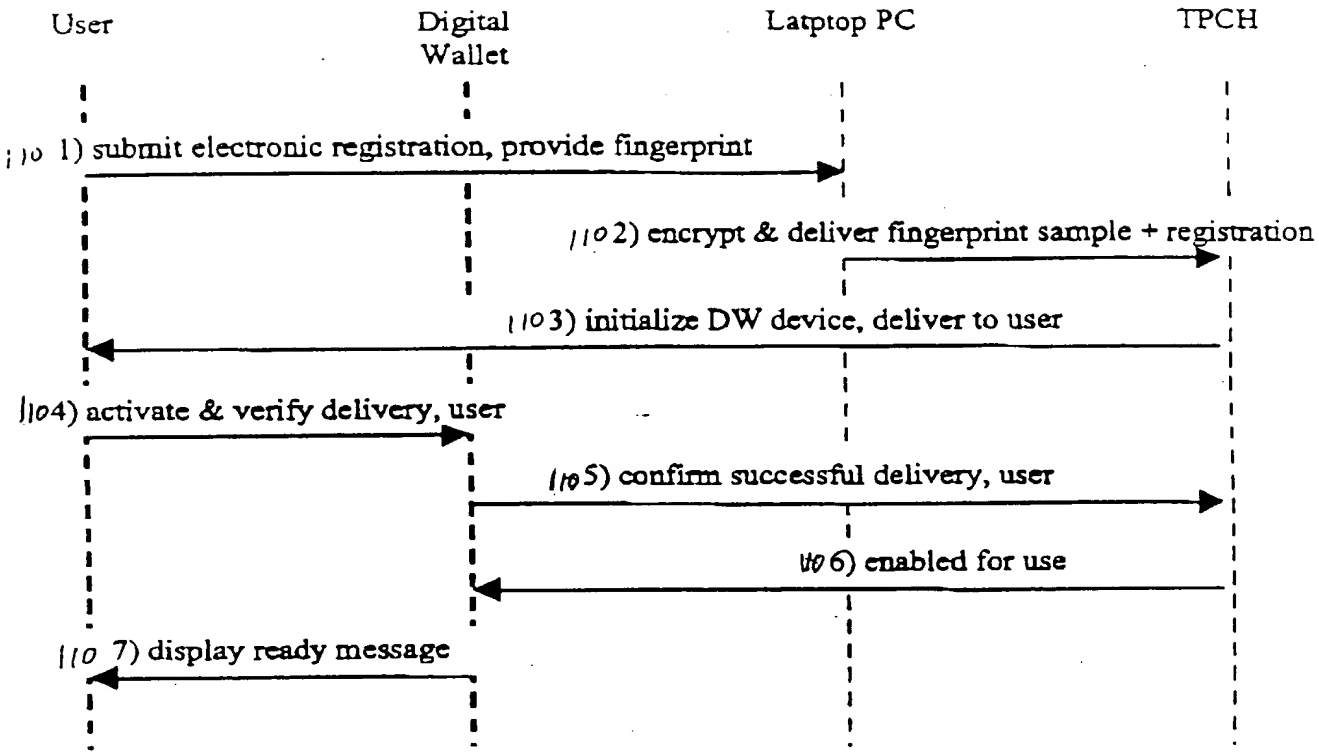
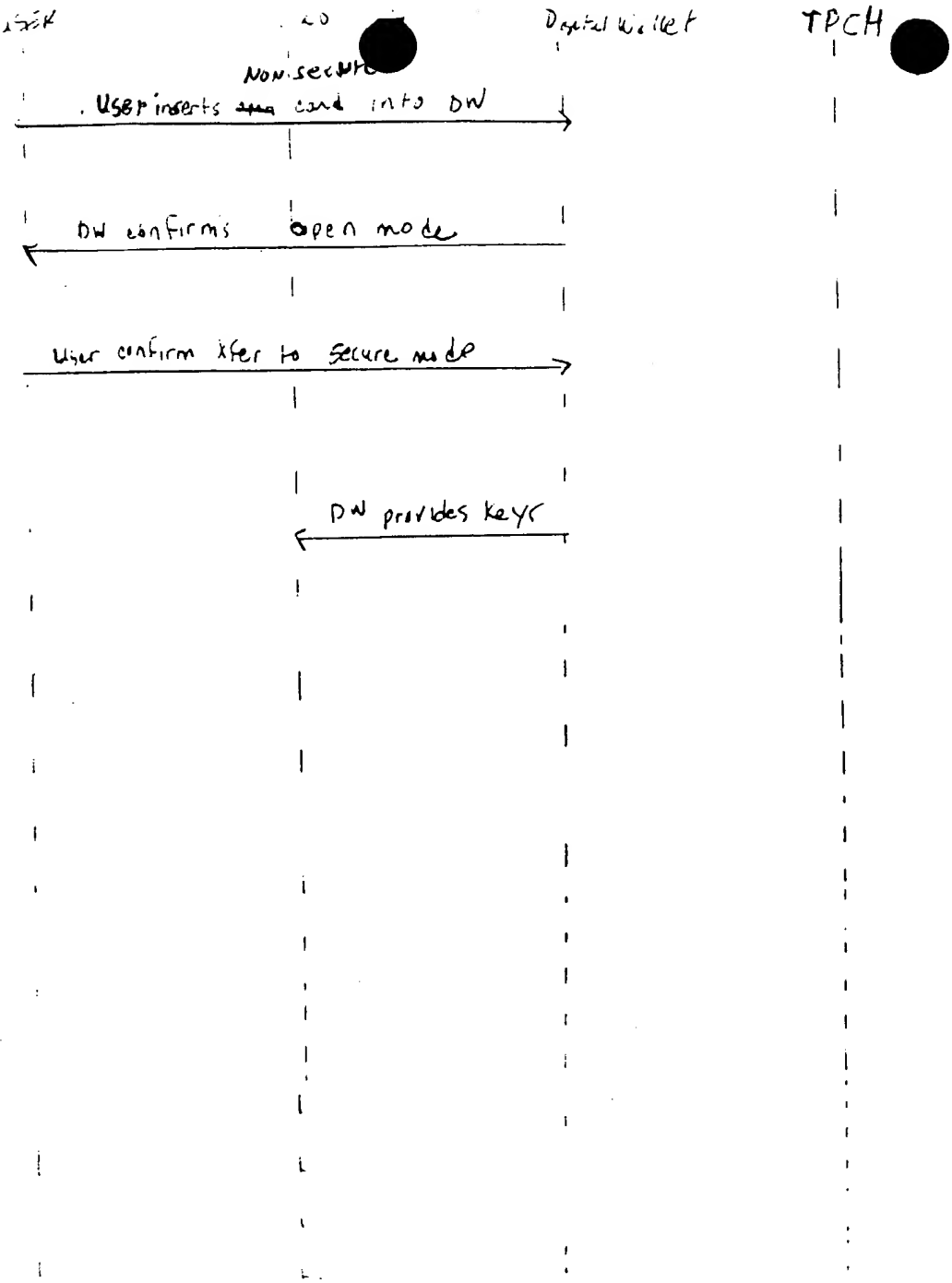


FIG 11

Digital Wallet Setup
(Alternate Embodiment)

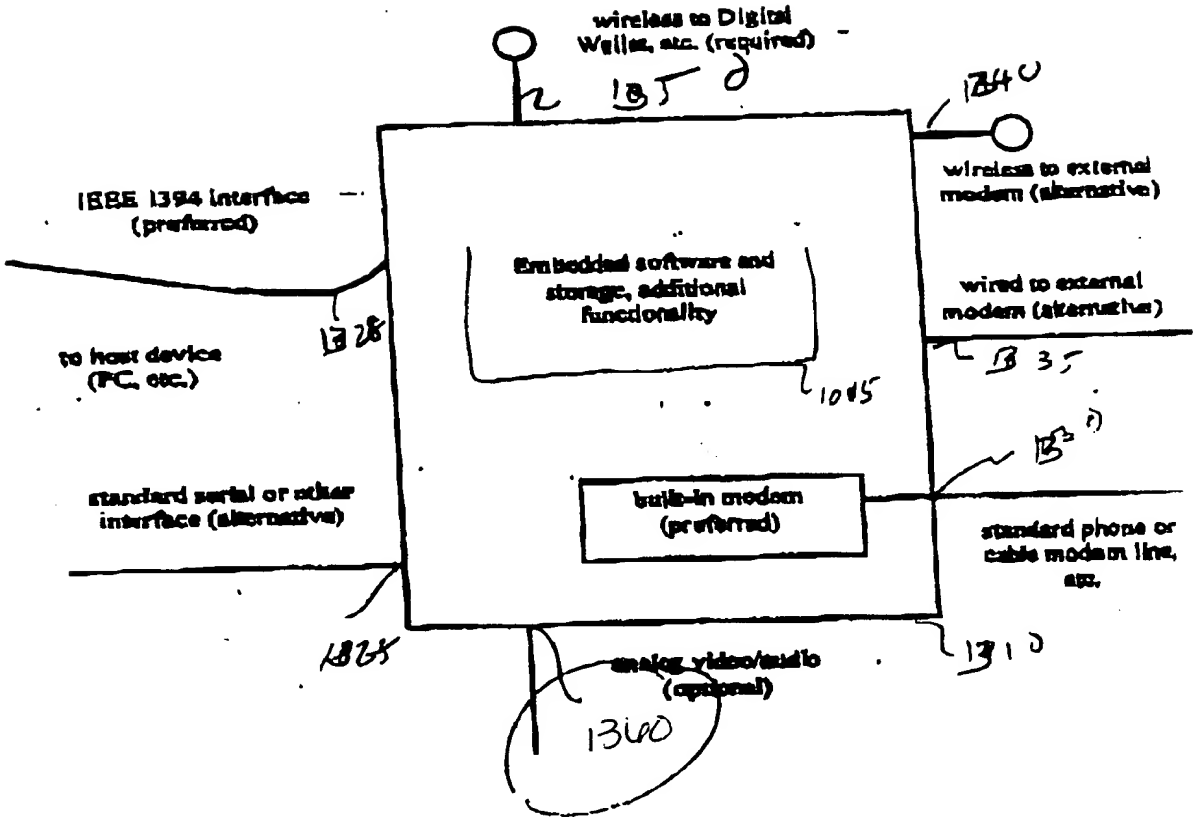


09/06/2000 - 09:56:56

Fig. 12

Conversion of card to Secure

09/893,247 - 06/27/01



POS Terminal

Fig. 13

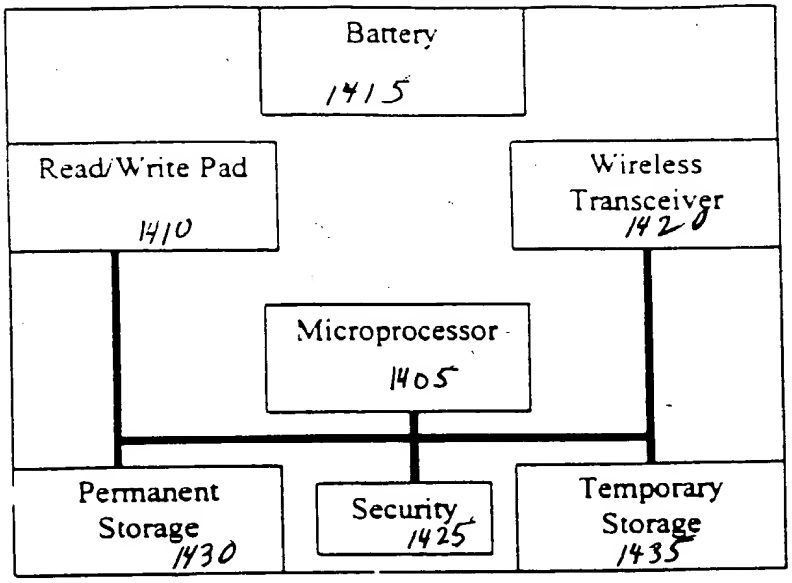


Diagram of the major components of the PersonalPOS, showing the data/address bus interconnect.

Fig 14

08/26/98 15:36:17 0

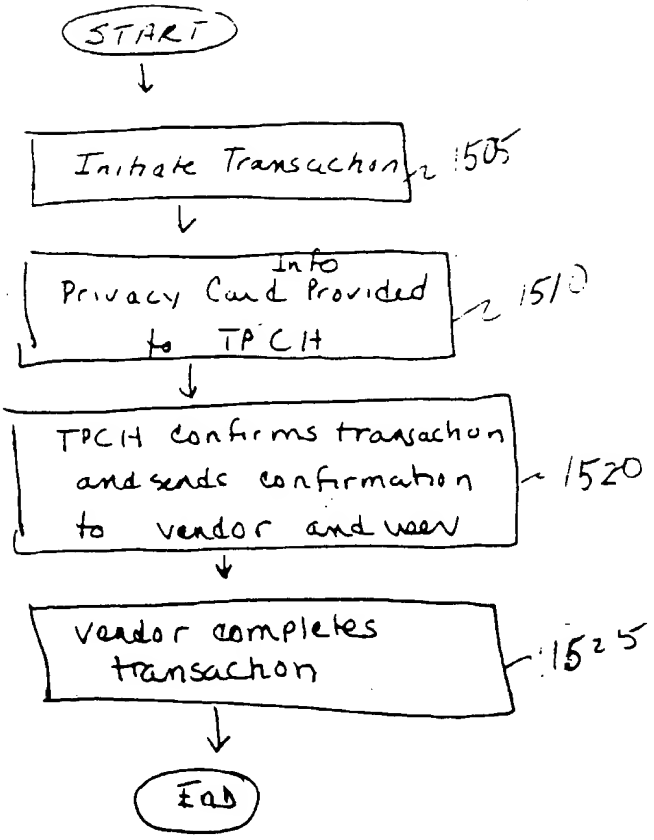


Fig. 15

09/23/2002 - 9755260

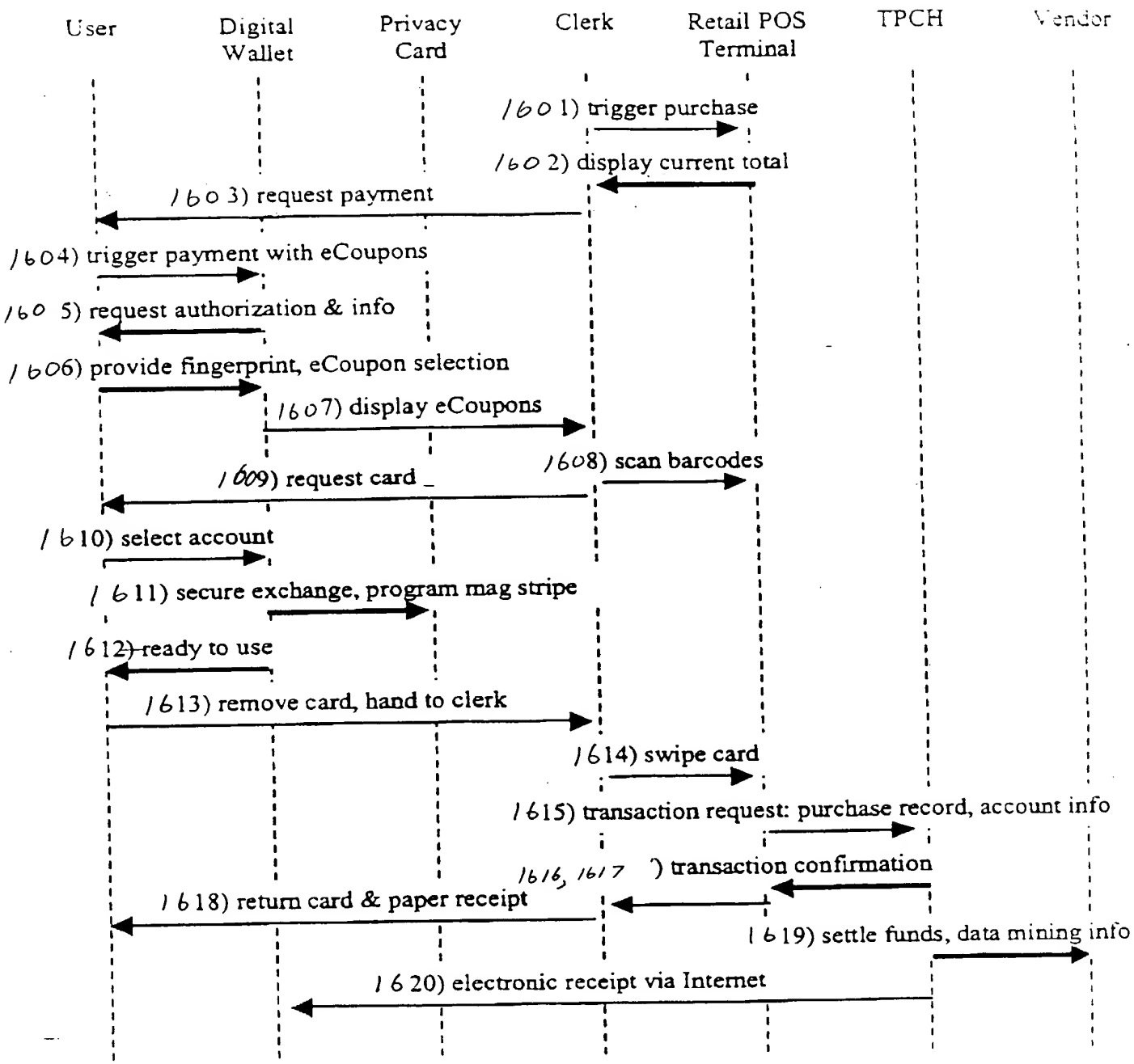


Fig 16

Retail Transaction

09702E-9756250

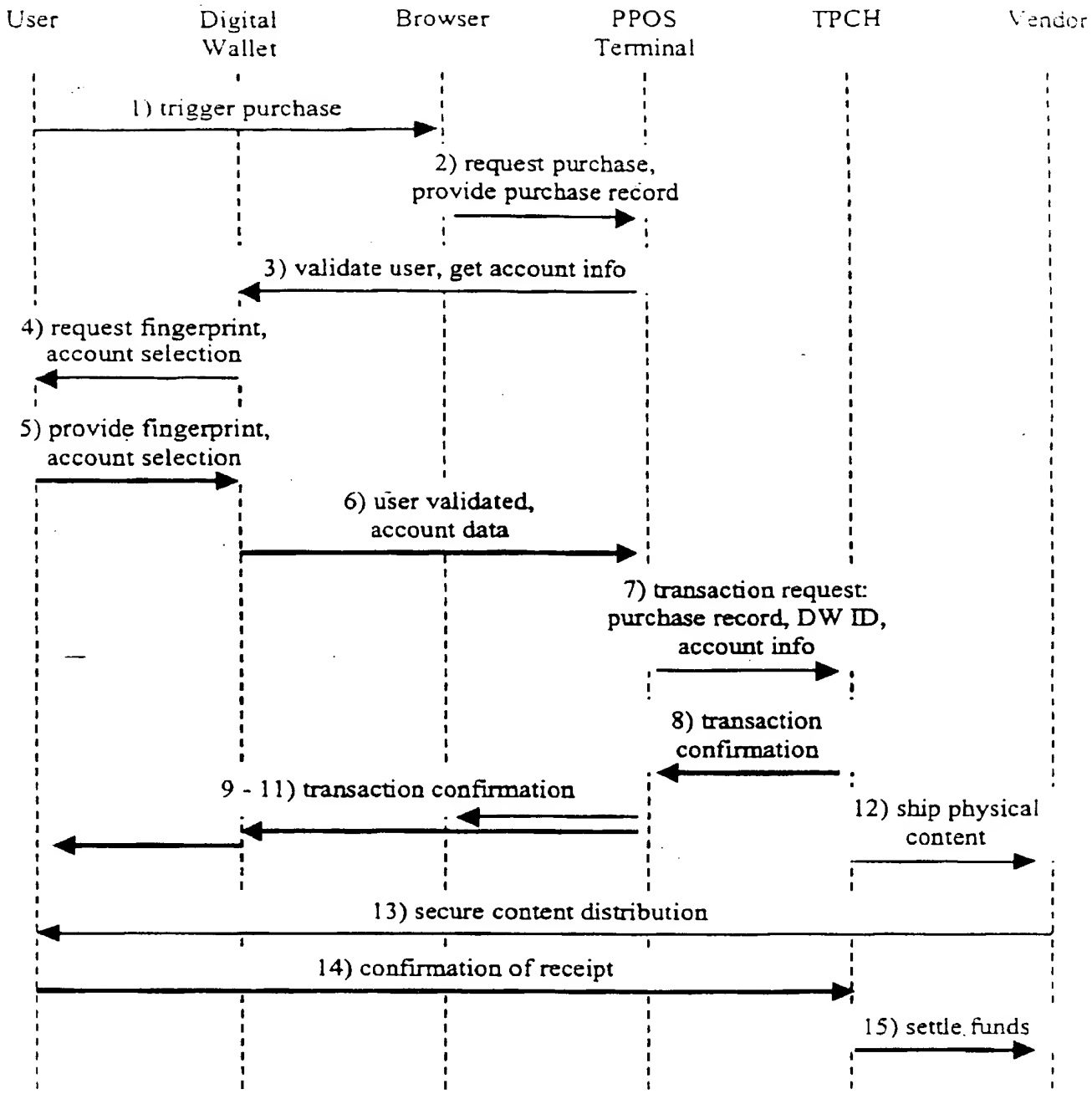


Fig. 17

Web Transaction

09702127 • 9T5S8Z50

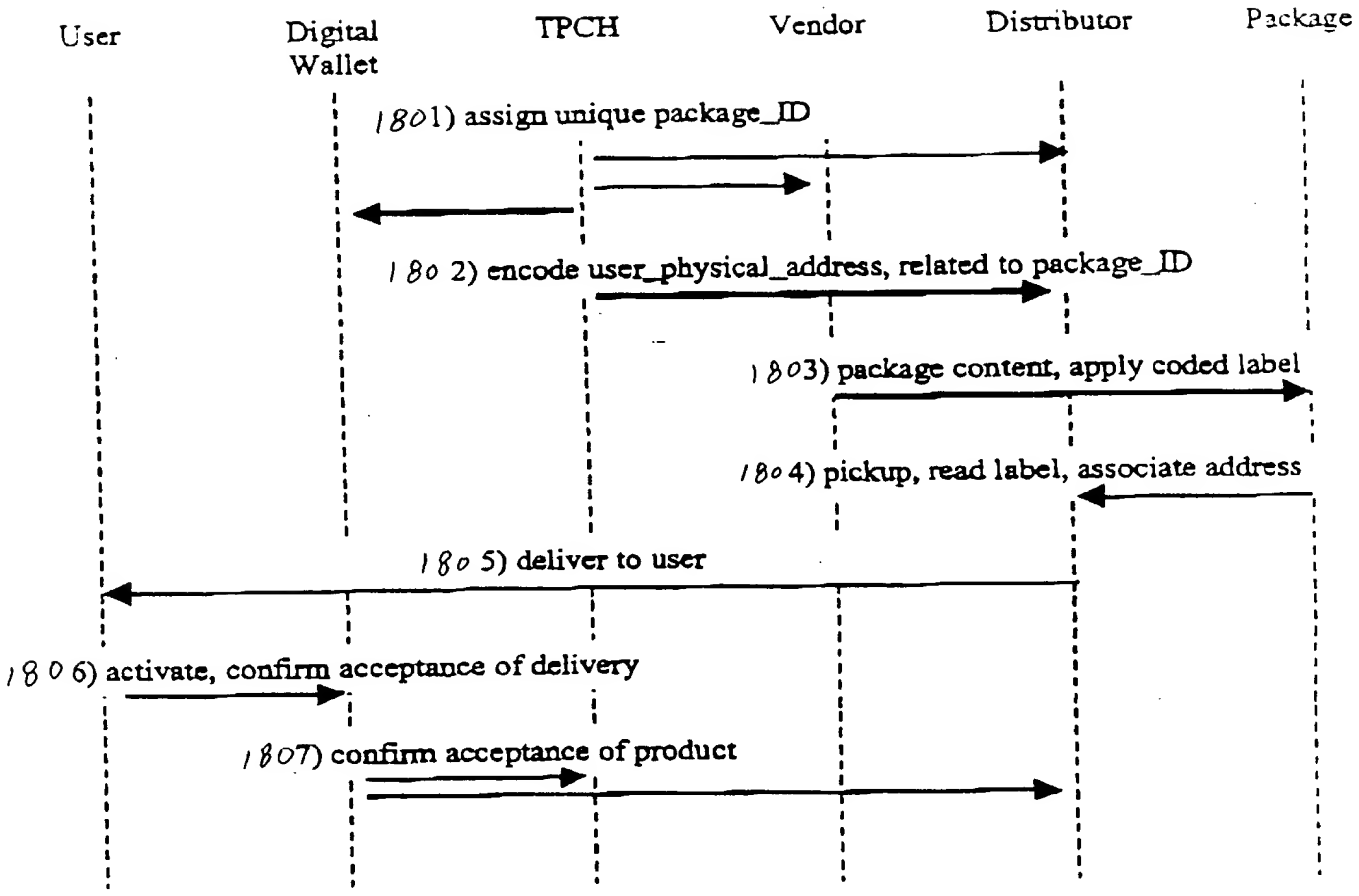


Fig. 18

Delivery of Product

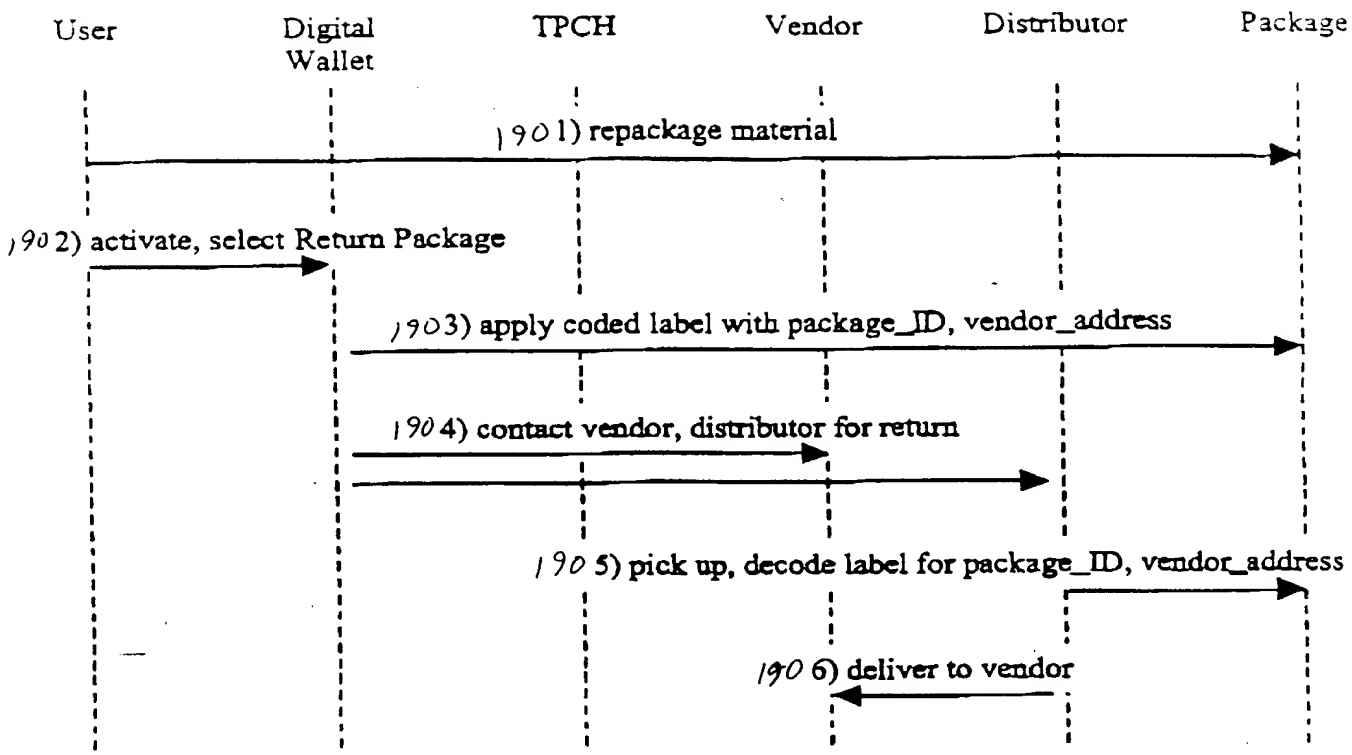


Fig. 19

Return of Product

09703762.950502

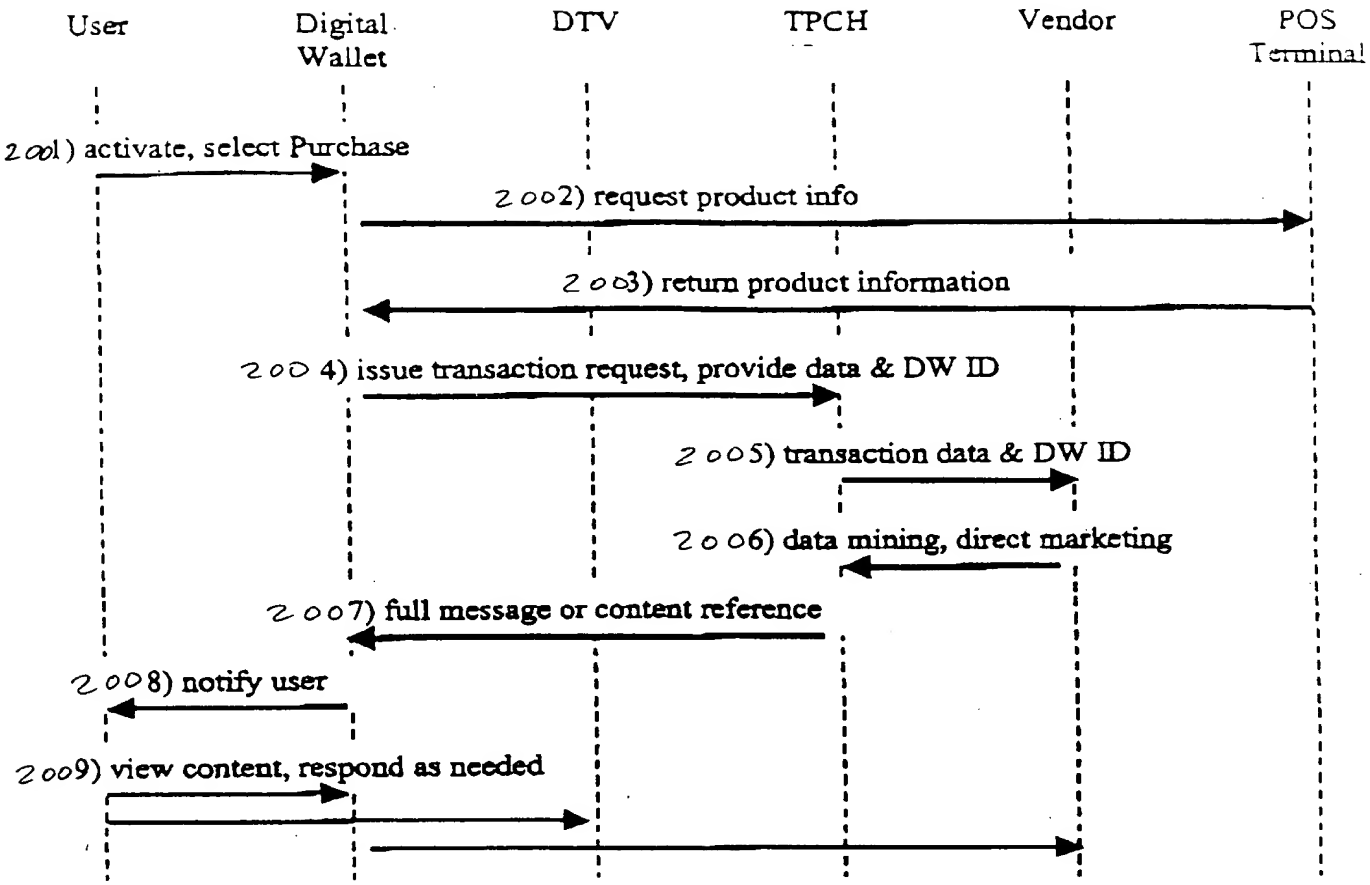


Fig 20

Data Mining

09723516 "20702"

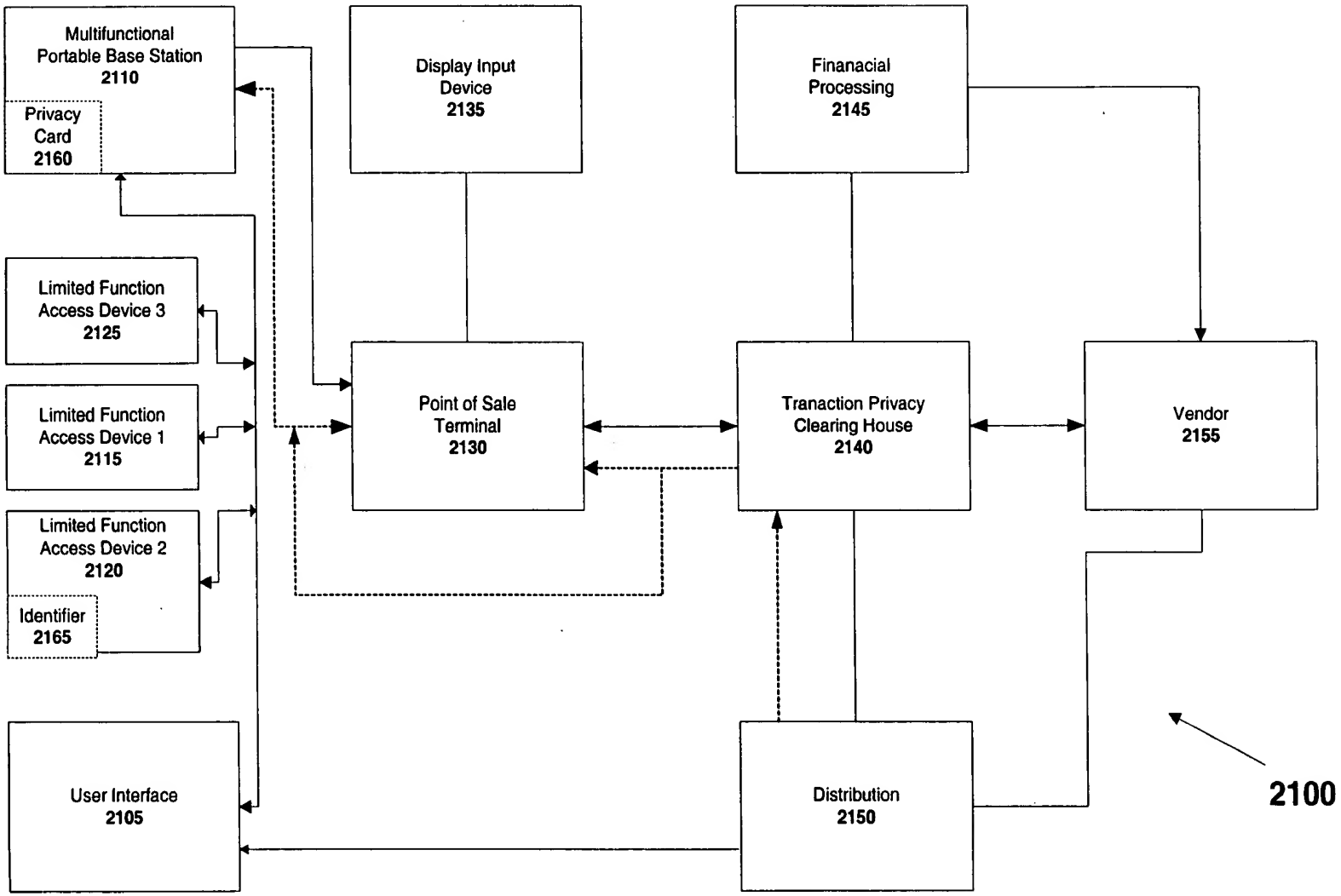


Figure 21

002037 9T5EE260

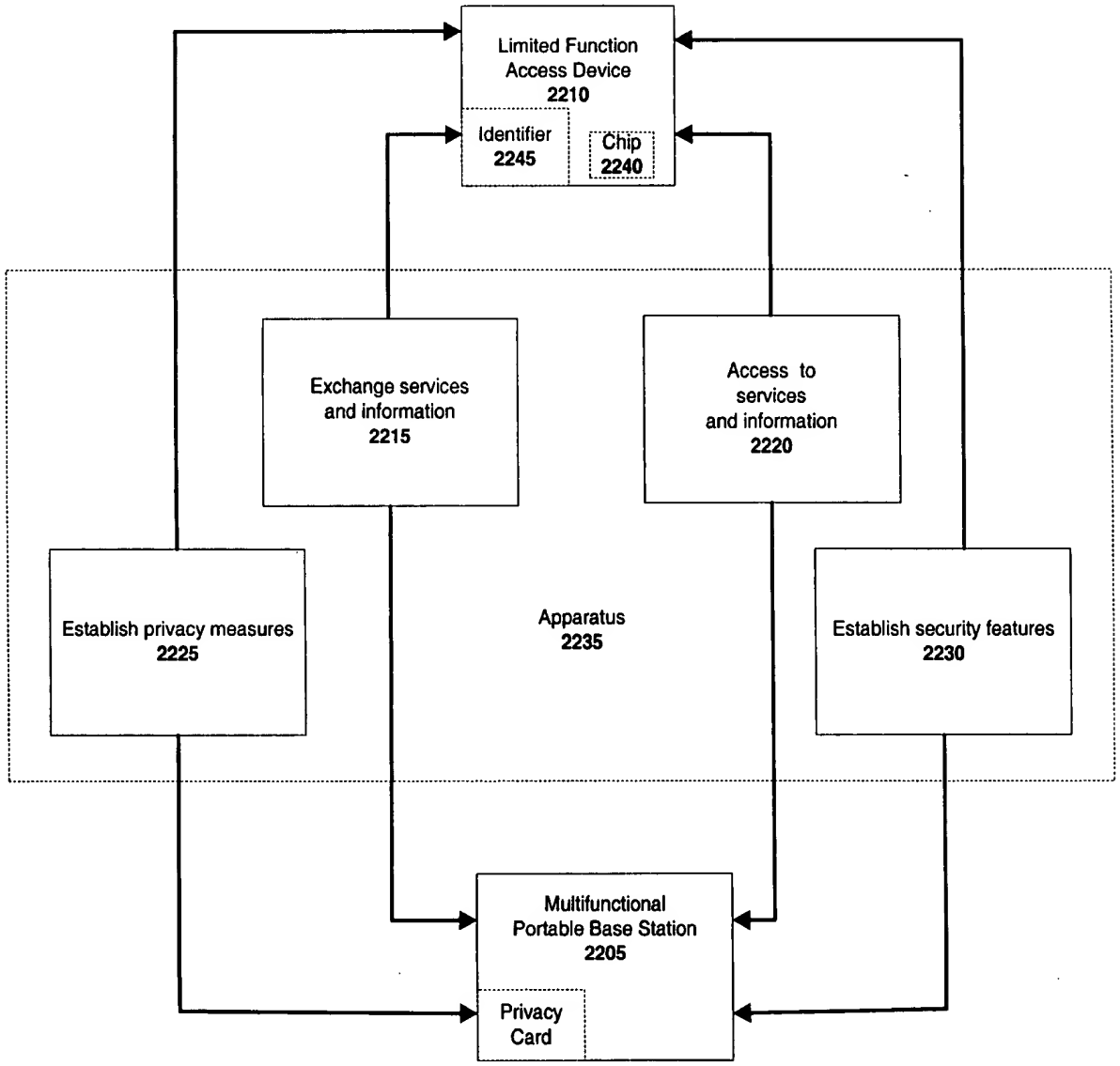


Figure 22